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Patent  
Attorney's Docket No. 010315-179

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
Leif BERGSTEDT et al. ) Group Art Unit: 3662  
Application No.: 10/002,146 ) Examiner: Unassigned  
Filed: December 5, 2001 )  
For: ANTENNA ARRANGEMENT AND A )  
COMMUNICATION ARRANGEMENT )  
COMPRISING THE SAME )

CLAIM FOR CONVENTION PRIORITY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The benefit of the filing date of the following prior foreign application in the following foreign country is hereby requested, and the right of priority provided in 35 U.S.C. § 119 is hereby claimed:

Swedish Patent Application No. 0004494-1

Filed: December 5, 2000

In support of this claim, enclosed is a certified copy of said prior foreign application. Said prior foreign application was referred to in the oath or declaration. Acknowledgment of receipt of the certified copy is requested.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: February 28, 2002

By: 

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filed 2/27/02 C.C.

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**PRV**PATENT- OCH REGISTRERINGSVERKET  
Patentavdelningen**Intyg  
Certificate**

Härmed intygas att bifogade kopior överensstämmer med de handlingar som ursprungligen ingivits till Patent- och registreringsverket i nedannämnda ansökan.

This is to certify that the annexed is a true copy of the documents as originally filed with the Patent- and Registration Office in connection with the following patent application.




(71) Sökande Telefonaktiebolaget L M Ericsson, Stockholm SE  
Applicant (s)

(21) Patentansökningsnummer 0004494-1  
Patent application number

(86) Ingivningsdatum 2000-12-05  
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För Patent- och registreringsverket  
For the Patent- and Registration Office

  
Christina Vängborg

Avgift  
Fee 170:-

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Huvudfoxen Kassar

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P16025.A01, (P134025B), BA, 12/5/00

**TITLE**

**AN ANTENNA ARRANGEMENT AND A COMMUNICATION ARRANGEMENT COMPRISING THE SAME**

**TECHNICAL FIELD OF THE INVENTION**

The present invention relates to a reflective antenna arrangement, specially an antenna arrangement comprising a first layer consisting of a dielectric material and a second reflective layer.

The invention also concerns a communication arrangement comprising said antenna arrangement.

**BACKGROUND OF THE INVENTION**

In US 4,353,069, an absorptive coating for reduction of the reflective cross section of a metallic surface is provided which includes a layer of "N" doped material adjacent the metal surface, the N doped material having a characteristic of increasing semiconductor conductivity from the outboard surface junction of the material to the boundary of the metallic surface, a second layer of "P" doped material having a characteristic of increasing semiconductor conductivity from its outboard surface boundary to its junction with the N doped material inboard of it. In the preferred embodiment, a third layer of P material is placed outboard of the second layer. The first and second layers further have electrical connections operatively associated with them, so that an applied voltage may be utilized to vary the electrical characteristics of the coating. The invention uses semiconductor p-n junction to control its resistivity under the applied electric signal (e.g. DC bias).

Disadvantages with the purposed solution are: